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JC693 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

## (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
0112300/142Total Pages in this Submission  
68**TO THE ASSISTANT COMMISSIONER FOR PATENTS**Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**GAMING DEVICE HAVING A GRADUATING AWARD EXCHANGE SEQUENCE WITH A TEASE  
CONSOLATION SEQUENCE AND AN INITIAL QUALIFYING SEQUENCE**

and invented by:

**Bayard S. Webb, Anthony J. Baerlocher and Joseph E. Kaminkow**

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:
☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

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Enclosed are:

**Application Elements**

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 44 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Microfiche Appendix (if applicable)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if drawings filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

JC694 U.S. PTO  
09/680601

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68

## Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☐ Formal Number of Sheets \_\_\_\_\_
- b. ☒ Informal Number of Sheets 9
4. ☒ Oath or Declaration
- a. ☒ Newly executed (original or copy) ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (identical to computer copy)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

## Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EL387672629US

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
0112300/142

Total Pages in this Submission  
68

## Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. ☐ Additional Enclosures (please identify below):

## Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

## Warning

**An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.**

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
0112300/142

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68

## Fee Calculation and Transmittal

### CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	32	- 20 =	12	x \$18.00	\$216.00
Indep. Claims	4	- 3 =	1	x \$80.00	\$80.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$710.00
OTHER FEE (specify purpose) Assignment Recordation Fee					\$40.00
TOTAL FILING FEE					\$1,046.00

- ☒ A check in the amount of **\$1,046.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. **02-1818** as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



Signature

Adam H. Masia  
Reg. No. 35,602

Dated: 10/6/00

CC:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Bayard S. Webb, et al.

Docket No.

0112300/142

Serial No.

Filing Date

Examiner

Group Art Unit

Invention:

**GAMING DEVICE HAVING A GRADUATING AWARD EXCHANGE SEQUENCE WITH A TEASE CONSOLATION SEQUENCE AND AN INITIAL QUALIFYING SEQUENCE**JC994 U.S. PTO  
09/680401

10/06/00

I hereby certify that the following correspondence:

Patent Application

*(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under

37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

October 6, 2000*(Date)*Deborah Dean*(Typed or Printed Name of Person Mailing Correspondence)*Deborah Dean*(Signature of Person Mailing Correspondence)*EL387672629US*("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

**UNITED STATES PATENT APPLICATION**

**FOR**

**GAMING DEVICE HAVING A GRADUATING AWARD EXCHANGE  
SEQUENCE WITH A TEASE CONSOLATION SEQUENCE AND AN  
INITIAL QUALIFYING SEQUENCE**

**INVENTORS:**

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Our File No.: 0112300-142

**EL387672629US**

# **GAMING DEVICE HAVING A GRADUATING AWARD EXCHANGE SEQUENCE WITH A TEASE CONSOLATION SEQUENCE AND AN INITIAL QUALIFYING SEQUENCE**

5

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## **DESCRIPTION**

15 The present invention relates in general to a gaming device, and more particularly to a gaming device including an initial qualifying sequence followed by a series of graduating player selectable award exchange sequences, and wherein the game can provide one or more consolation tease sequences when the player decides to exchange a  
20 known award.

## **BACKGROUND OF THE INVENTION**

Gaming devices currently exist with bonus rounds in which a player has one or more opportunities to select masked bonus awards from a

pattern or group of masked awards displayed to the player. When the player chooses a masked award from the pattern, the game removes the mask and either awards the player with a bonus value or terminates the bonus round with a bonus terminator. The outcome depends upon  
5 whether the player selects an award or a terminator.

In the above game, the controller of the gaming device randomly places a predetermined number of masked awards and terminators in the pattern at the beginning of the bonus round and maintains the positioning until the bonus round terminates. When the player selects a masked  
10 award, the player receives the value of the award, and the game typically displays a message that the player may continue and enables the player to select another masked award. The player then selects another masked award, and the process continues until the player selects a masked terminator. European Patent Application No. EP 0 945 837 A2 filed on  
15 March 18, 1999 and assigned on its face to WMS Gaming, Inc. discloses a bonus scheme of this type.

Gaming machines also currently exist with bonus rounds in which the game selects or determines the player's award. PCT application number PCT/AU97/00121 entitled, Slot Machine Game with Roaming Wild  
20 Card, having a publication date of September 4, 1997, discloses an example. In this application, a slot machine having a video display contains a plurality of rotatable reels with game symbols. When the player



receives a triggering symbol or combination, the game produces a bonus symbol. The bonus symbol moves from game symbol to game symbol temporarily changing the game symbol to a bonus symbol. If the change results in a winning combination, the player receives an award.

5           In the first known game, the “go-until” or “do-until” bonus round can end quite quickly if the player selects a terminator early in the bonus round. The player blindly selects masked awards until selecting the bonus terminator, which is immediately displayed. The player knows nothing about the location of any particular award, and there is no logical incentive  
10 to select any particular masked award as opposed to any another masked award. Choosing a masked award also poses no risk to a previously accumulated award. That is, there is no incentive to stop selecting. The only logical course is for the player to continue selecting until selecting a terminator. The player’s involvement in the bonus round and thus the  
15 player’s level of enjoyment and excitement from the bonus round is thus limited.

          The second known game has even less player interaction. The game completely determines the bonus round award, and the player has no affect on the outcome. The player is a mere observer to the bonus  
20 round sequence and participates only by receiving an award. In both games, the player is not prompted to calculate, weigh options, or explore any consequences of any action. To increase player excitement and

enjoyment, it is desirable to provide a gaming device, and more specifically a bonus round of a gaming device, which prompts a player to calculate, weigh options and explore the consequences of the player's selection.

- 5           In the known "go-until" or "do-until" bonus round, the game reveals all unselected awards and terminators associated with the pattern after the player selects a terminator. The application makes no specific reference as to how or in which manner the game reveals the unselected awards or terminators. Revealing the masks from selected and unselected awards
- 10   and other gaming device components is well known in the art. No known game, however, reveals awards or other gaming device components in any particular manner or employs any particular method of deciding which awards, to reveal first, second, etc. It should be appreciated, that in a game which prompts a player to calculate, weigh options, and explore the
- 15   consequences of the player's selection, it is desirable to reveal the consequences of the player's selection in a manner that maximizes player excitement and enjoyment.

## SUMMARY OF THE INVENTION

The present invention provides a method for operation a gaming device and preferably a bonus round of said device, whereby the player can selectively keep an award or attempt to sequentially exchange or  
5 trade up to a point or award total that enables the player to obtain a final and desirable ultimate award. The present invention can disclose the value of the ultimate award, and in either case the player knows the existence of the ultimate award. The present invention preferably discloses or reveals the value of the player's currently held or currently  
10 obtained award. The player preferably knows that there is an ultimate award the player has an opportunity to obtain and preferably knows the award the player must risk to obtain the ultimate award. The game can reveal the value of the intermediate award steps as the player decides to go for the ultimate award or settle for the currently held award. The game  
15 preferably provides a consolation award to a player upon an unsuccessful exchange and one or more tease sequences described below.

In order for the main award exchange sequence of the present invention to proceed, the player must obtain an initial currently held award. The game can simply provide such an award to the player, e.g., "You now  
20 have 50 credits, you can keep them or try for another award." Alternatively, the game contemplates providing an initiator sequence, which is a game in and of itself. If the player is successful in the initiator

sequence, the player moves on to the main award exchange sequence for a try at the ultimate award. If not, the player preferably receives a consolation award and the bonus round preferably ends. As disclosed in detail below, the present invention contemplates storing a plurality of  
5 initiator games and invoking one of them at the start of the bonus round.

If the player succeeds at the initiator game, the game preferably provides the player with an award that becomes the initial currently held award in the main award exchange sequence of the present invention. The award exchange sequence involves the player successively risking  
10 the currently held award for opportunities to trade up to higher and higher awards to and reach an ultimate award. The player can stop at any point in the succession and keep the currently held award, at which point, the game or the bonus round preferably ends. If the player is unsuccessful in an attempt to trade up, the game preferably provides the player with a  
15 consolation award.

The present invention preferably provides one or more tease sequences during the present invention. In a tease sequence, the game sequentially prompts or teases a player who has decided to risk a current award by upgrading the current award and asking the player to rethink the  
20 player's decision. The game contemplates providing the tease sequence using a plurality of different methods.

In one method, the game teases or prompts the player with a value higher than the player's currently held award each time the player elects to play for the ultimate award. For example, after electing to risk the player's current award, the game could provide the prompt, "Well, let's see what  
5 your decision would be if 20 credits are added to your total." Assuming the player's currently held award is 80 credits, the player can change course and keep the upgraded 100 credits, which the game then awards to the player. If the player continues to play for the ultimate award and risks the 100 credits, the game can continue to upgrade the award, e.g., to  
10 120, 150 credits, etc. Eventually, the game reveals whether the player has successfully advanced towards the ultimate award.

Alternatively, the present invention provides a tease sequence either sporadically or whenever the player unsuccessfully attempts to trade up for the ultimate award. In this instance, the game does not reveal  
15 that the player's attempt has been unsuccessful. The player thus believes that the player is playing for the ultimate award and is risking the currently held award. If the player insists on playing for the ultimate award, the game eventually discloses that the player has lost the current award. The consolation tease sequence, in this instance, gives the player a second,  
20 third or fourth chance to win more than the player's current award. The game can successively prompt the player, as before, by raising the value a plurality of times before disclosing the player's unsuccessful attempt.

It is therefore an object of the present invention to provide a bonus round of gaming device, wherein the game prompts a player to calculate, weigh options and explore the consequences of the player's selection.

Another object of the present invention is to provide an initial game,  
5 wherein the outcome of the initial game determines whether a player can play the main game of the present invention.

A further object of the present invention is to provide a gaming device having a tease sequence, wherein the game sequentially prompts or teases a player who has decided to risk a current award by upgrading  
10 the current award and asking the player to rethink the player's decision.

Other objects, features and advantages of the invention will be apparent from the following detailed disclosure, taken in conjunction with the accompanying sheets of drawings, wherein like numerals refer to like parts, elements, components, steps and processes.

15

## BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a front elevational view of a general embodiment of the gaming device of the present invention;

Fig. 2 is a schematic block diagram of the electronic configuration  
20 of one embodiment of the gaming device of the present invention;

Fig. 3 is an enlarged front plan view of the display device generally displaying the components of the preferred award exchange embodiment of the present invention;

Fig. 4 is a schematic table illustrating one possible database of  
5 different values that the present invention can employ;

Fig. 5 is a process flow diagram of an initiator sequence embodiment, wherein upon a bonus round triggering event, the present invention randomly selects one of a plurality of initiator games for the player to play;

10 Fig. 6 is a process flow diagram of a preferred award exchange sequence embodiment, wherein the present invention automatically includes a tease sequence;

Fig. 7 is a process flow diagram of a tease sequence embodiment, wherein the present invention sequentially upgrades the player's award and requests the player to reselect whether to exchange the upgraded  
15 award;

Fig. 8 is an enlarged front plan view of the display device generally displaying the components of an alternative award exchange embodiment of the present invention; and

20 Fig. 9 is a process flow diagram of an alternative award exchange sequence, wherein the present invention provides a tease sequence when the player unsuccessfully attempts to exchange an award.

## DETAILED DESCRIPTION OF THE INVENTION

### Gaming Device and Electronics

Referring now to the drawings, Fig. 1 generally illustrates a gaming  
5 device 10 of one embodiment of the present invention, which is preferably  
a slot machine having the controls, displays and features of a conventional  
slot machine. Gaming device 10 is constructed so that a player can  
operate gaming device 10 while standing or sitting. However, it should be  
appreciated that gaming device 10 can be constructed as a pub-style  
10 table-top game (not shown) that a player can operate preferably while  
sitting. Gaming device 10 can also be implemented as a program code  
stored in a detachable cartridge for operating a hand-held video game  
device. Also, gaming device 10 can be implemented as a program code  
stored on a disk or other memory device which a player can use in a  
15 desktop or laptop personal computer or other computerized platform.  
Gaming device 10 can incorporate any game such as slot, poker or keno.  
The symbols used on and in gaming device 10 may be in mechanical,  
electrical or in video form.

As illustrated in Fig. 1, gaming device 10 includes a coin slot 12  
20 and bill acceptor 14 where the player inserts money, coins or tokens. The  
player can place coins in the coin slot 12 or paper money in the bill  
acceptor 14. Other devices could be used for accepting payment such as



readers or validators for credit cards or debit cards. When a player inserts money in gaming device 10, a number of credits corresponding to the amount deposited is shown in a credit display 16. The present invention preferably employs or uses credits, however, the present invention is not  
5 limited to the use of credits and contemplates employing other units of value such as money. For purposes of describing and claiming this invention, the term "credit" includes any unit of value such as a gaming device credit or actual money.

After depositing the appropriate amount of money, a player can  
10 begin the game by pulling arm 18 or by pushing play button 20. Play button 20 can be any play activator used by the player which starts any game or sequence of events in the gaming device.

Referring to Fig. 1, gaming device 10 also includes a bet display 22 and a bet one button 24. The player places a bet by pushing the bet one  
15 button 24. The player can increase the bet by one credit each time the player pushes the bet one button 24. When the player pushes the bet one button 24, the number of credits shown in the credit display 16 decreases by one, and the number of credits shown in the bet display 22 increases by one.

20 Gaming device 10 also has a display window 28 which contains a plurality of reels 30, preferably three to five reels in mechanical or video form. Each reel 30 displays a plurality of symbols such as bells, hearts,

martinis, fruits, cactuses, numbers, cigars, letters, bars or other images, which preferably correspond to a theme associated with the gaming device 10. If the reels 30 are in video form, the gaming device 10 preferably displays the video reels 30 in a display device described below.

- 5 Furthermore, gaming device 10 preferably includes speakers 34 for making sounds or playing music.

At any time during the game, a player may “cash out” and thereby receive a number of coins corresponding to the number of remaining credits by pushing a cash out button 26. When the player “cashes out,”  
10 the player receives the coins in a coin payout tray 36. The gaming device 10 may employ other payout mechanisms such as credit slips redeemable by a cashier or electronically recordable cards that keep track of the player’s credits.

With respect to electronics, the controller of gaming device 10  
15 preferably includes the electronic configuration generally illustrated in Fig. 2, which has: a processor 38; a memory device 40 for storing program code or other data; a display device 32 (i.e., a liquid crystal display) described below; a plurality of speakers 34; and at least one input device as indicated by block 33. The processor 38 is preferably a microprocessor  
20 or microcontroller-based platform that is capable of displaying images, symbols and other indicia such as images of people, characters, places, things and faces of cards. The memory device 40 can include random

access memory (RAM) 42 for storing event data or other data generated or used during a particular game. The memory device 40 can also include read only memory (ROM) 44 for storing program code, which controls the gaming device 10 so that it plays a particular game in accordance with applicable game rules and paytables.

As illustrated in Fig. 2, the player preferably uses the input devices 33, such as the arm 18, play button 20, the bet one button 24 and the cash out button 26 to input signals into gaming device 10. In certain instances, a touch screen 46 and an associated touch screen controller 48 can be used in conjunction with a display device described in detail below. Touch screen 46 and touch screen controller 48 are connected to a video controller 50 and processor 38. A player can make decisions and input signals into the gaming device 10 by touching touch screen 46 at the appropriate places. As further illustrated in Fig. 2, the processor 38 can be connected to coin slot 12 or bill acceptor 14. The processor 38 can be programmed to require a player to deposit a certain amount of money in order to start the game.

It should be appreciated that although a processor 38 and memory device 40 are preferable implementations of the present invention, the present invention can also be implemented using one or more application-specific integrated circuits (ASIC's) or other hard-wired devices, or using mechanical devices (collectively referred to herein as a "processor").

Furthermore, although the processor 38 and memory device 40 preferably reside on each gaming device 10 unit, it is possible to provide some or all of their functions at a central location such as a network server for communication to a playing station such as over a local area network (LAN), wide area network (WAN), Internet connection, microwave link, and the like. For purposes of describing the invention, the controller includes the processor 38 and memory device 40.

Referring to Figs. 1 and 2, to operate the gaming device 10, the player must insert the appropriate amount of money or tokens at coin slot 12 or bill acceptor 14 and then pull the arm 18 or push the play button 20. The reels 30 will then begin to spin. Eventually, the reels 30 will come to a stop. As long as the player has credits remaining, the player can spin the reels 30 again. Depending upon where the reels 30 stop, the player may or may not win additional credits.

In addition to winning credits in this manner, gaming device 10 also preferably gives players the opportunity to win credits in a bonus round. This type of gaming device 10 will include a program that will automatically begin a bonus round when the player has achieved a qualifying condition in the game. This qualifying condition can be a particular arrangement of indicia on the display window 28. The gaming device 10 also includes a display device such as a display device 32 shown in Fig. 1 enabling the player to play the bonus round. The display device 32 can be any known

video monitor, television screen, dot matrix display, CRT, LED, LCD or electro-luminescent display. The display device 32 can be color or monochrome although, preferably, the display is color. Preferably, the qualifying condition is a predetermined combination of indicia appearing on a plurality of reels 30. As illustrated in the three reel slot game shown in Fig. 1, the qualifying condition could be the text "BONUS!" appearing in the same location on three adjacent reels.

#### Bonus Round Display

The present invention can be employed as a bonus round in gaming device or a primary game in a gaming device. The main difference between the two is that in a primary game, the player can win nothing. In a bonus round, the game preferably provides at least some consolation award to the player. The present invention is preferably a bonus round of a gaming device and is thus described as such. The present invention, however, is not so limited and can be employed as a primary game in a gaming device.

Referring now to Fig. 3, an enlarged front plan view of the display device is shown having the components of the award exchange sequence of the present invention. The display device 32 preferably includes a touch screen 46 and an associated touch screen controller 48 described in connection with Fig. 2. Each of the selectors 52, 54, 56 and 58 associated

with the keep feature and the symbols "A", "B" and "C", respectively, on display device 32 is thus preferably a player selectable area, which sends a unique input signal to the controller of the present invention. Alternatively, the present invention contemplates associating one or more front panel mountable input devices 33 (Fig. 2), said input devices being well known in the art, which enable a player keep or to select one of the symbols "A", "B" or "C".

The "keep" selector 52 also preferably updates and displays the value of the player's current award and is thus an indicator as well as a selector. The indicator can likewise be a front panel mountable indicator, as is the credit display 16 or the bet display 22 illustrated in Fig. 1. The present invention can alternatively provide a separate "keep" simulated and/or front panel mountable selector and indicator (not illustrated) or any combination thereof. The game also preferably provides a suitable visual and/or audio prompt 60, which directs the player to keep a current award by selecting the "keep" button 52 or exchange it for one of the awards associated with symbols "A", "B" or "C".

#### Bonus Round Database

Referring now to Fig. 4, a schematic table illustrates a database of different values that the present invention can employ. Those skilled in the art of gaming device manufacturing can develop many different

database structures of one or more databases, which the present invention could employ. The database of Fig. 4 is one possible database configuration that aids the description of the present invention.

The database of Fig. 4 includes a column 62 having three current  
5 player award ranges 25-100, 400-500 and 700-1000. These ranges include the player's currently held award for the beginning of an exchange sequence. The column 64 includes three corresponding consolation awards 20, 100 and 300. The game awards the consolation values when the player unsuccessfully attempts to exchange or upgrade the current  
10 award. The column 64 includes three upgrade award ranges 400-500, 700-1000 and 1500-3000. The game upgrades or exchanges the player's current award with an upgrade award from the corresponding range upon a successful exchange. The upgrade range from a preceding row, e.g., row 76 thus becomes the player's current range in a succeeding row, e.g.,  
15 row 78. The upgrade range of the final row 80 includes the ultimate award, i.e, 3000.

Columns 68, 70, 72 and 74 include increasing incremental tease awards. For instance, when the player is risking a current award ranging from 700 to 1000 from row 80, the game can increase the award by 100,  
20 200, 300 and 400 credits, each time prompting the player to decide whether to keep or continue. In this database example, the addition of 20, 30, 40 and 50 credits to the highest possible current award, i.e., 100 of

row 76 would not pierce or reach the upgrade range, i.e., 400-500. However, the addition of 50, 80, 100 and 150 credits to the highest possible current award, i.e., 500 of row 78 would pierce the upgrade range, i.e., 700-1000. The present invention can provide any value distribution desired by the game's implementor.

It should be appreciated that the present invention preferably provides base game credit awards. Alternatively, the present invention can provide multiplier awards, a number of selections from an award pool or any other award contemplated by the implementor.

#### Initiator Sequence

Referring now to Fig. 5, a process flow diagram of an initiator sequence of the present invention is illustrated. Upon a bonus round triggering event, indicated by the oval 82, the game randomly selects one of three initiator games for the player to play, as indicated by the block 84. The game can equally weight the chances of picking any particular initiator game or assign a weighted percentage to each. The game can make such determination at any prior point of the bonus round or base game of the gaming device. The present invention can store any number of initiator games and can employ multiple initiator games during any given round.



The present invention can include any type of player selectable or game selectable initiator game. They are preferably short, involve at least some player involvement, have approximately a fifty percent chance of advancing the player and at least provide the player with a consolation  
5 award. If the present invention is a stand alone rather than a bonus game, there does not have to be a consolation award. The initiator game preferably provides a suitable audio or visual message describing the chosen game, such as "Select any three (of six) items, you automatically win the values of the items, and if an item has a star on it, you advance to  
10 the next deal", as indicated by block 86. In another initiator game, the player picks any two of six items, and if the sum of the chosen picks is greater than a predetermined value, the player advances, as indicated by block 88. In a further initiator game, the player picks any three of six items, if the sum of the chosen items exceeds the sum of the unselected  
15 items, the player advances, as indicated by block 90.

After the player picks from one of the initiator games, as indicated by blocks 86, 88 and 90, the game determines whether the player wins at the initiator game, as indicated by diamond 92. If the player does not pick items that enable the player to advance, the player wins a consolation  
20 award from the selected initiator game and the game of the present invention ends, as indicated by oval 94. The consolation awards are preferably a percentage of the player's current award range, as illustrated

by columns 62 and 64 of Fig. 4. If the player does pick items that enable the player to advance, the player wins the initiator game and advances to one of the award exchange sequences, as illustrated by the block 96.

## 5 Preferred Award Exchange Sequence

Referring now to Fig. 6, a process flow diagram of a preferred award exchange sequence embodiment is illustrated, wherein the present invention automatically includes a tease sequence. As indicated by the block 98 of Fig. 6, the player has a current award from the initiator game described in the process flow diagram of Fig. 5. The game preferably audibly or visually discloses to the player that an ultimate or big deal award is available to the player. The game selects two values from the appropriate award upgrade row of the database of Fig. 4 and randomly assigns each value to one of the symbols "A", "B" or "C" illustrated in Fig. 3. The game selects the corresponding consolation award from the same row of the database of Fig. 4 and assigns it to the remaining symbol "A", "B" or "C".

As indicated by the block 100, the game displays the current award to the player and visually and/or audibly instructs or prompts the player to keep the current award or exchange it for what is associated with symbol "A", "B" or "C". If the player keeps the current award and forgoes the ultimate or big deal award, as indicated by a positive response to the

query of diamond 102, the bonus round ends, the player keeps the current award and the game preferably reveals the award of the unselected symbols, as indicated by oval 104.

If the player does not keep the current award and plays for a  
5 chance at the ultimate or big deal award, as indicated by a negative response to the query of diamond 102, the game enables the player to select one of the hidden awards associated with a symbol disclosed in Fig. 3, as indicated by the block 106. After the player's selection, the present invention automatically invokes the tease sequence, as indicated by the  
10 block 108, regardless of whether the player selected an award upgrade or the consolation award. The tease sequence is described in connection with Fig. 7.

When the player returns from the tease sequence, as indicated by the block 110, the present invention makes a decision based upon  
15 whether the player selected one of the award upgrades or the consolation award. If the player selects the consolation award, as indicated by a positive response to the query of diamond 112, the bonus round ends, the player wins the appropriate consolation award from the database of Fig. 4, as indicated by the oval 114. The game may reveal the selected and/or  
20 unselected awards as discussed below.

If the player selects one of the award upgrades, as indicated by a negative response to the query of diamond 112, the bonus round

continues and the player gets to play another award exchange or deal. In this example of the preferred embodiment, the player has a two in three chance of selecting an award upgrade and advancing to the next award exchange sequence. The present invention contemplates providing any  
5 such percentage of having the player advance.

As indicated by the block 116, the player wins the award upgrade, which the game sets to be the player's current award in the next award exchange sequence. The game selects two new values from the next award upgrade row of the database of Fig. 4 and randomly assigns each  
10 value to one of the symbols "A", "B" or "C" illustrated in Fig. 3. The game selects the consolation award from the next consolation row of the database of Fig. 4 and assigns it to the remaining symbol "A", "B" or "C". The game then returns the player to the instructional prompt indicated by block 100. The preferred award exchange sequence continues until the  
15 sequence ends as indicated by ovals 104, 114 or in ovals contained in the tease sequence of Fig. 7.

#### Tease Sequence

Referring now to Fig. 7, a process flow diagram of a tease  
20 sequence is illustrated, wherein the present invention sequentially upgrades the player's current award and requests the player to reselect whether to exchange the upgraded current award. The game

automatically invokes the tease sequence in the preferred award exchange embodiment disclosed in connection with Fig. 6 when the player decides not to keep the current award and play for a chance at the ultimate award.

5           As indicated by the block 118, upon invoking the tease sequence, the game selects an appropriate incremental tease award from the appropriate row of the database of Fig. 4. Referring to Fig. 4, beginning with the row 76, the game selects the first incremental tease award from the column 68, which is 20 credits. The game provides a suitable audio  
10   and/or visual prompt, such as “What is your decision now that we’ve added 20 credits to your current award?” The game also preferably updates the keep indicator 52 of Fig. 3 to reflect that the player has in fact been awarded the incremental tease amount. Note that the game can increment credits as illustrated or alternatively present a new total award  
15   and suitable prompt, such as “What is your decision now that your new current award is 80 credits?”

          If the player keeps the current award with the incremental tease and forgoes the ultimate award, as indicated by a positive response to the query of diamond 120, the bonus round ends, the player keeps the current  
20   award plus the incremental tease award and the game preferably reveals the award of the unselected symbols, as indicated by oval 122. If the player does not keep the current award plus the incremental tease and

plays for a chance at the ultimate award, as indicated by a negative response to the query of diamond 120, the game enables the player to select the same or a different one of the hidden awards associated with a symbol disclosed in Fig. 3, as indicated by the block 124. That is, the  
5 player preferably can change the player's mind and select a different symbol or stick with a prior selection.

After the player's selection, if the game randomly determines that another tease award exists, as indicated by a positive response to the query of diamond 126, the game sets the prior current award plus the prior  
10 incremental tease award to be the new player's current award, as indicated by the block 128. If the player's prior current award is 60 credits and the prior incremental tease award is 20, the player's new current award is now 80 credits. The game then again selects, as indicated by the block 118, the appropriate incremental tease award from the  
15 appropriate row of the database of Fig. 4, which is the same row used in the prior tease sequence loop. That is, referring again to the row 76 of Fig. 4, the game now selects the second incremental tease award from the column 70, which is 30 credits. The game likewise provides a suitable audio and/or visual prompt, such as "Well, let's see what your decision  
20 would be if we added another 30 credits to your current award?" The game also preferably updates the keep indicator 52 of Fig. 3 to reflect that

the player has in fact been awarded the incremental tease amount of 30 credits.

Referring again to Fig. 4, the sample database of the present invention illustrates four incremental tease awards with each row, namely, rows 76, 78 and 80. The present invention contemplates providing any number of possible incremental tease awards. The present invention also contemplates randomly selecting and adding less than all of the tease awards to the player's current award. Although not illustrated, the game can maintain a tease probability distribution, for example, a 10% chance that the game adds only the first tease, a 40% chance that the game adds on the first and second teases, a 40% chance that the game adds the first, second and third teases and a 20% chance that the game adds all four teases.

The game can provide any tease probability distribution. The game provides the tease probability distribution so that the player does not learn a set pattern and automatically wait for a preset two, three or four incremental teases awards before making a decision to keep or try for the ultimate award.

Referring again to Fig. 7, after the player's selection, if the game randomly determines that no other tease award exists, as indicated by a negative response to the query of diamond 126, the game preferably reveals the award of the symbol selected by the player as well as the

award of the unselected symbols, as indicated by the block 130. Revealing the player's relative success or failure at selecting a masked or hidden award increases player excitement and enjoyment.

If there is no other award exchange sequence in the bonus round of the present invention as indicated by a negative response to the query of diamond 132, the bonus round ends and the player wins the award associated with the player's selected symbol, as indicated by the oval 134. Determining whether another award exchange sequence exists involves determining whether another row of the sample database of Fig. 4 exists. Once the player, for example, exhausts the rows 76, 78 and 80 of Fig. 4, the bonus round ends. The 3000 credits of the row 80 of Fig. 4 is thus the game's ultimate award.

If there is another award exchange sequence in the bonus round of the present invention, as indicated by a positive response to the query of diamond 132, the game preferably returns the player to the award exchange sequence of Fig. 6. As disclosed above in Fig. 6, the game then determines whether the player advances (exchanges award for player selected upgrade) or whether the bonus round ends (player selects consolation award), as indicated by diamond 112.

20



### Alternative Embodiment

Referring now to Fig. 8, an enlarged front plan view of the display device generally is shown displaying the components of an alternative award exchange embodiment of the present invention. In Fig. 8, like in Fig. 3, the display device 32 preferably includes a touch screen 46 and an associated touch screen controller 48 discussed in Fig. 2. The alternative embodiment also provides the keep selector and indicator 52, which updates and displays the value of the player's current award. In Fig. 8, unlike like in Fig. 3, the game only provides the two selectors 54 and 56, which as before are associated with the symbols "A" and "B", respectively. The game also preferably provides a suitable visual and/or audio prompt 138, which now directs the player to keep a current award by selecting the keep button 52 or exchange it for one of the two prizes associated with symbols "A" or "B".

A suitable sample database for the alternative embodiment is the database of Fig. 4. In the alternative embodiment, however, the present invention selects only one award upgrade from the ranges of column 66, rather than two, as before. As with the preferred embodiment, the database of Fig. 4 illustrates only one example of many possible database structures that the implementor can employ.

Referring now to Fig. 9, a process flow diagram of an alternative award exchange sequence is illustrated, wherein the present invention

includes a tease sequence when the player unsuccessfully attempts to exchange a currently held award. As disclosed with respect to the preferred embodiment, the alternative embodiment can have any player advancement percentage, which the game controls by providing different  
5 numbers of selectors. Three selectors produced a two in three chance of advancement. Providing only two selectors gives the player a one in two chance to advance. Providing five selectors wherein two associate with a consolation award alternatively gives the player a three in five chance of advancement.

10 The preferred embodiment can have any number of symbols including two as described with respect to Fig. 8. Likewise, the alternative embodiment can have any number of symbols including three as described above with respect to Fig. 3. The difference in the embodiments occurs in the award exchange sequence, wherein (i) the  
15 alternative embodiment only triggers the tease sequence when the player selects the consolation award (i.e., player will not advance) and (ii) the tease sequence is not automatically triggered in the event that the player selects the consolation award.

As indicated by the block 140 of Fig. 9, the player has a current  
20 award from the initiator game described in the process flow diagram of Fig. 5. The game preferably audibly or visually discloses to the player that an ultimate award is available to the player. The game selects a value

from the appropriate award upgrade row of the database of Fig. 4 and randomly assigns the value to one of the symbols "A" or "B" illustrated in Fig. 8. The game selects the corresponding consolation award from the same row of the database of Fig. 4 and assigns it to the remaining symbol

5 "A" or "B".

As indicated by the block 142, the game displays the current award to the player and visually and/or audibly instructs or prompts the player to keep the current award or exchange it for what is associated with symbol "A" or "B". If the player keeps the current award and forgoes the ultimate or big deal award, as indicated by a positive response to the query of diamond 144, the bonus round ends, the player keeps the current award and the game preferably reveals the award of the unselected symbol, as indicated by oval 146.

If the player does not keep the current award and plays for a chance at the ultimate award, as indicated by a negative response to the query of diamond 144, the game enables the player to select one of the hidden awards associated with a symbol disclosed in Fig. 8, as indicated by the block 148. After the player selects one of the masked or hidden awards, the present invention makes a decision based upon whether the player selected the award upgrade or the consolation award.

The present invention invokes the tease sequence of Fig. 7 preferably, only if the player selects the consolation award, as indicated by

a positive response to the query of diamond 150. Even then, the game randomly decides whether to invoke the tease sequence. If the game does not invoke the tease sequence, as indicated by a negative response to the query of diamond 152, the bonus round ends, the player wins the  
5 selected consolation award from the database of Fig. 4 and the game reveals the unselected award upgrade, as indicated by the oval 154.

The game randomly decides whether to invoke the tease sequence based upon any probability distribution desired by the implementor. The game can invoke the tease sequence a predetermined percent of the time,  
10 such as fifty percent, whenever the player selects the consolation award. The game can alternatively vary the percentage, for example, set a 90% chance invoking the tease sequence if the player selects the consolation award on the first award exchange sequence, 50% if the player selects the consolation award on the second award exchange sequence, etc.

15 If the game invokes the tease sequence, as indicated by a positive response to the query of diamond 152, the game invokes substantially the same tease sequence as described above in Fig. 7. Referring to Fig. 7, there are two differences in the tease sequence of the alternative embodiment from that of the preferred embodiment. First, the block 124  
20 enabling a player to change the player's mind does not exist and thus if a player does not keep the current award with the incremental tease, as indicated by the negative response to diamond 120, the game

automatically determines if another incremental tease award exists, as indicated by the block 126. The game only invokes the tease sequence in this embodiment when the player selects the consolation award and therefore the game preferably does not enable the player to have a  
5 change of mind and possibly select the award upgrade.

Second, diamond 132 in which the game determines whether another award upgrade exists is not applicable in the alternative embodiment because the player has permanently selected the consolation award, i.e., the game ending award. After the revealing the selected and  
10 unselected awards in block 130, the game automatically ends and the player who the player who the selected consolation award as indicated by the oval 134. In the alternative embodiment, the game does not return to the award exchange sequence from the tease sequence, as indicated by the block 136. In all other respects the tease sequence is the same for  
15 the alternative embodiment; namely, the game randomly selects and adds any number of incremental tease awards, as indicated by diamond 126. Again, the present invention preferably varies the number of incremental tease additions so that the game does not become predictable.

Referring again to Fig. 9 and specifically to diamond 150, if the  
20 player selects the award upgrade, as indicated by a negative response to the query of diamond 150, the bonus round determines if another award exchange sequence exists, as indicated by diamond 156. If not, as

indicated by the negative response to the query of diamond 156, the bonus round ends, the player wins the award upgrade, which can be the ultimate award, and the game reveals the unselected award, as indicated by the block 158. It should be appreciated that this embodiment does not enable the player to rejuvenate or drive the bonus round in the tease sequence by selecting another symbol after selecting the hidden consolation award. At the same time, the alternative embodiment does not enable the player to ruin or end the round after selecting the hidden award upgrade.

10 If another award exchange sequence exists, as indicated by the positive response to the query of diamond 156, the game continues and the player gets to play another award exchange or deal. In this example of the alternative embodiment, the player has a one in two chance of selecting an award upgrade and advancing to the next award exchange sequence. The present invention contemplates providing any such percentage of having the player advance.

As indicated by the block 160, the player wins the award upgrade, which the game sets to be the player's current award in the next award exchange sequence. The game selects a new value from the next award upgrade row of the database of Fig. 4 and randomly assigns it to one of the symbols "A" or "B" illustrated in Fig. 8. The game selects the consolation award from the next consolation row of the database of Fig. 4

and assigns it to the remaining symbol "A" or "B". The game then returns the player to the instructional prompt indicated by block 142. The alternative award exchange sequence continues until the sequence ends as indicated by ovals 146, 154 or in ovals contained in the tease sequence

5 of Fig. 7.

While the present invention is described in connection with what is presently considered to be the most practical and preferred embodiments, it should be appreciated that the invention is not limited to the disclosed embodiments, and is intended to cover various modifications and  
10 equivalent arrangements included within the spirit and scope of the claims. Modifications and variations in the present invention may be made without departing from the novel aspects of the invention as defined in the claims, and this application is limited only by the scope of the claims.

## CLAIMS

The invention is hereby claimed as follows:

- 5     1.     A method for operating a gaming device, said method comprising the steps of:
- (a)    providing an initial sequence which includes at least one player decision, said decision resulting in a successful outcome or an unsuccessful outcome for a player;
- 10          (b)    enabling said player to input said player decision into a processor of said gaming device;
- (c)    determining if said decision produces a successful outcome in said sequence;
- (d)    providing an award to said player if said decision produces a successful outcome;
- 15          (e)    enabling said player to advance to a further sequence of said gaming device, wherein said further sequence utilizes said award.
- 20     2.     The method of Claim 1, which includes selecting one of a plurality of initial sequences to provide to said player.



3. The method of Claim 1, which includes the step of providing a consolation award to said player if said decision produces an unsuccessful outcome.

5 4. The method of Claim 1, which includes the step of providing a consolation award to said player if said decision produces an unsuccessful outcome, wherein said consolation award includes the unsuccessful outcome.

10 5. A method for operating an award exchange sequence in a gaming device, said method comprising the steps of:

(a) associating a high value award with either a first selector or a second selector, wherein said high value award is greater than a currently held player award;

15 (b) associating a low value award with the selector not associated with the high value award, wherein said low value award is less than said player award;

(c) enabling said player to keep said player award, choose said first selector or choose said second selector;

20 (d) providing said player award to said player if said player keeps said player award;

(e) providing said low value award to said player if said player chooses the selector associated with said low value award; and

(f) providing said high value award to said player if said player chooses the selector associated with said high value award.

6. The method of Claim 5, which includes the step of repeating the steps (a) through (f) if said player chooses a selector associated with said high value award.

7. The method of Claim 5, which includes the step of repeating the steps (a) through (f) if said player chooses a selector associated with said high value award, whereby said high value award is used to determine said currently held award while repeating said steps.

8. The method of Claim 5, which includes the step of repeating the steps (a) through (f) if said player chooses a selector associated with said high value award, unless said player chooses a selector associated a highest valued award in said sequence.

9. The method of Claim 5, which includes the step of repeating the steps (a) through (f) if said player chooses a predetermined maximum number of allowed selectors associated with high value awards.

5 10. The method of Claim 5, which includes the step of revealing the award associated with said first selector and the award associated with said second selector if said player chooses a selector associated with said low value award.

10 11. The method of Claim 5, which includes the step of revealing the award associated with said first selector and the award associated with said second selector if said player keeps said player award.

12. The method of Claim 5, which includes the step of revealing the  
15 high value award and low value award if the player keeps said player award.

13. The method of Claim 5, which includes at least two selections with high values and at least two selections with low values.

20

14. A method for operating an award exchange sequence in a gaming device, said method comprising the steps of:

- 5 (a) enabling a player to input into a processor a decision to keep a currently held award or to input into said processor a decision to risk losing said currently held award to try for a higher value award exchange, and wherein said decision can produce a successful outcome or an unsuccessful outcome for said player in said sequence;
- (b) ending said sequence if said player inputs said decision to keep said currently held award; and
- 10 (c) determining whether said successful outcome or said unsuccessful outcome occurred if said player inputs said decision to try for said higher value award.

15 15. The method of Claim 14, which includes the step of ending said sequence if said unsuccessful outcome occurred.

16. The method of Claim 14, which includes the step of replacing said currently held award with a lower value award if said unsuccessful outcome occurs.

20 17. The method of Claim 14, which includes the step of replacing said currently held award with a lower value award and ending said sequence if said unsuccessful outcome occurs.

18. The method of Claim 17, which includes the step of revealing said lower value award and said higher value award.

5 19. The method of Claim 14, which includes the step of revealing said higher value award and a lower value award if said player inputs a decision to keep said currently held award.

20. The method of Claim 14, which includes the step of performing a  
10 player tease sequence if said player inputs said decision to play for said higher value award.

21. The method of Claim 14, which includes the step of performing a  
15 player tease sequence if said unsuccessful outcome occurs.

22. The method of Claim 14, which includes the step of replacing said currently held award with said higher value award if said successful outcome occurs.

20 23. The method of Claim 14, which includes the step of repeating the steps (a) through (c) if said successful outcome occurred.

24. The method of Claim 14, which includes the step of repeating the steps (a) through (c) if said successful outcome occurs, whereby said successful outcome is used to determine said currently held award while repeating said steps.

5

25. The method of Claim 14, which includes the step of repeating the steps (a) through (c) if said successful outcome occurs, unless said successful outcome includes a highest value award.

10 26. A method for operating a player tease sequence in a gaming device, said method comprising the steps of:

(a) after accepting an input designating a player's decision to risk a known currently held award to try for a higher value award exchange, increasing said currently held award;

15 (b) without revealing a determination of said player's success, enabling said player to input into a processor a decision to keep said increased award or to input into said processor a decision to risk losing said increased award to try for said higher value award exchange; and

20 (c) ending said tease sequence if said player inputs said decision to keep said increased award.

27. The method of Claim 26, which includes the step of repeating steps (a) through (c) at least one time, each time increasing said increased award.

5 28. The method of Claim 26, which includes the step of repeating steps (a) through (c) a randomly determined number of times, each time increasing said increased award.

29. The method of Claim 26, which includes the step of exchanging  
10 said currently held award with said higher value award if said input to try for said higher value award exchange after step (b) is successful.

30. The method of Claim 26, which includes the step of exchanging  
said currently held award with a lower value award if said input  
15 designating said player's decision before step (a) is unsuccessful, and  
said player inputs said decision to try for said higher value award  
exchange in step (b).

31. The method of Claim 30, which includes the step of revealing said  
20 higher value award and said lower value award.

32. The method of Claim 26, which includes the step of revealing said higher value award and a lower value award if said player inputs said decision to keep said increased award.



## ABSTRACT OF THE DISCLOSURE

The present invention includes a method for operation a gaming device and preferably a bonus round of said device, whereby the game provides the player an initial sequence which results in a successful or unsuccessful outcome. If the player obtains a successful outcome, the player may use an award provided by obtaining said successful outcome. In a subsequent sequence wherein the player can selectively keep an award or attempt to sequentially exchange or trade up to a point or award total that enables the player to obtain a final and desirable ultimate award.

10 The player preferably knows the existence of the ultimate award, and the present invention preferably discloses or reveals the value of the player's currently held or currently obtained award. The game can also reveal the value of the intermediate award steps as the player decides to go for the ultimate award or settle for the currently held award. The game preferably

15 provides a consolation award to a player upon an unsuccessful exchange. The game also preferably provides one or more tease sequences, wherein the game sequentially prompts a player who has decided to risk a current award by upgrading the current award and asking the player to rethink the player's decision.

20

FIG.1

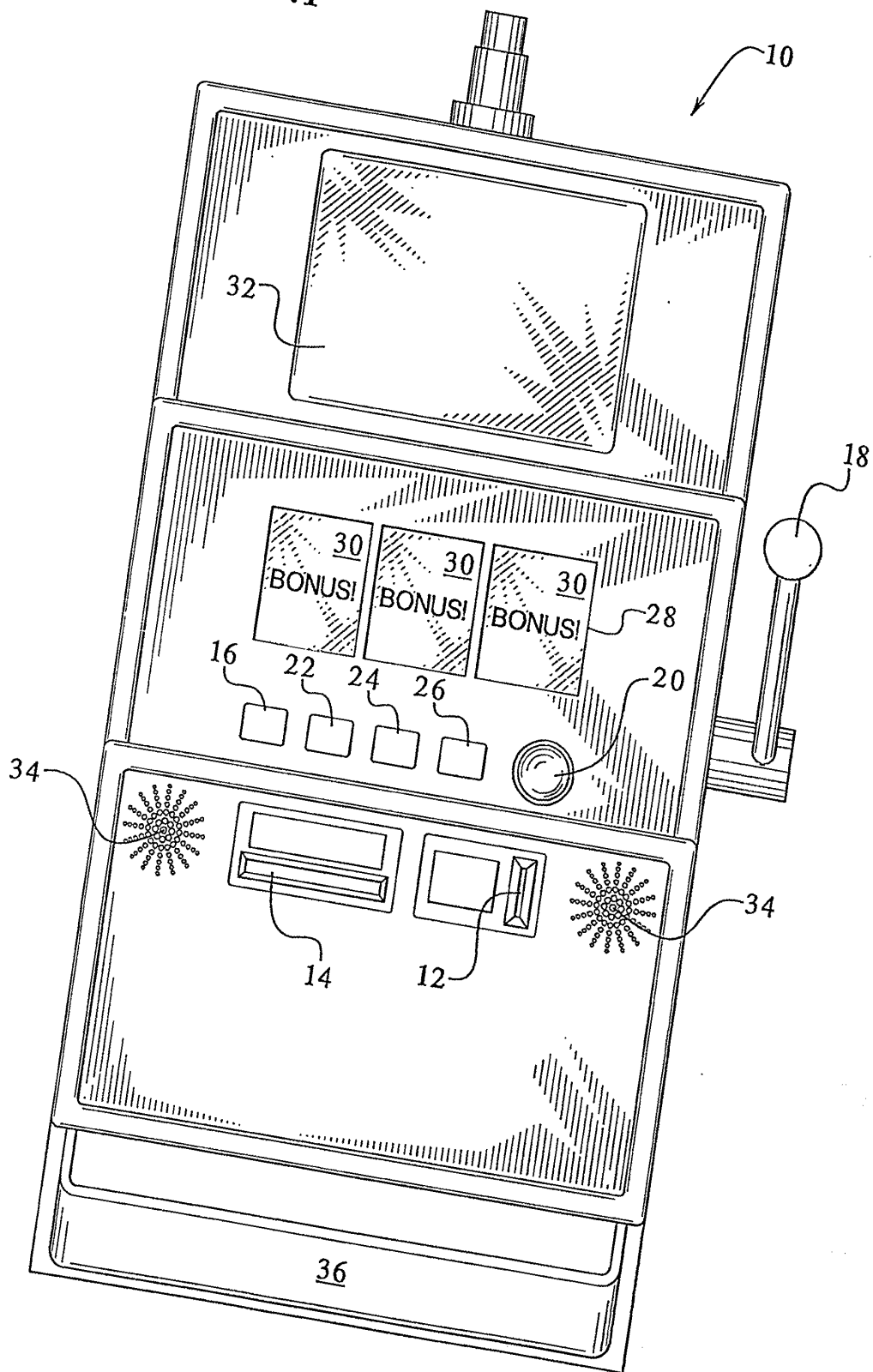
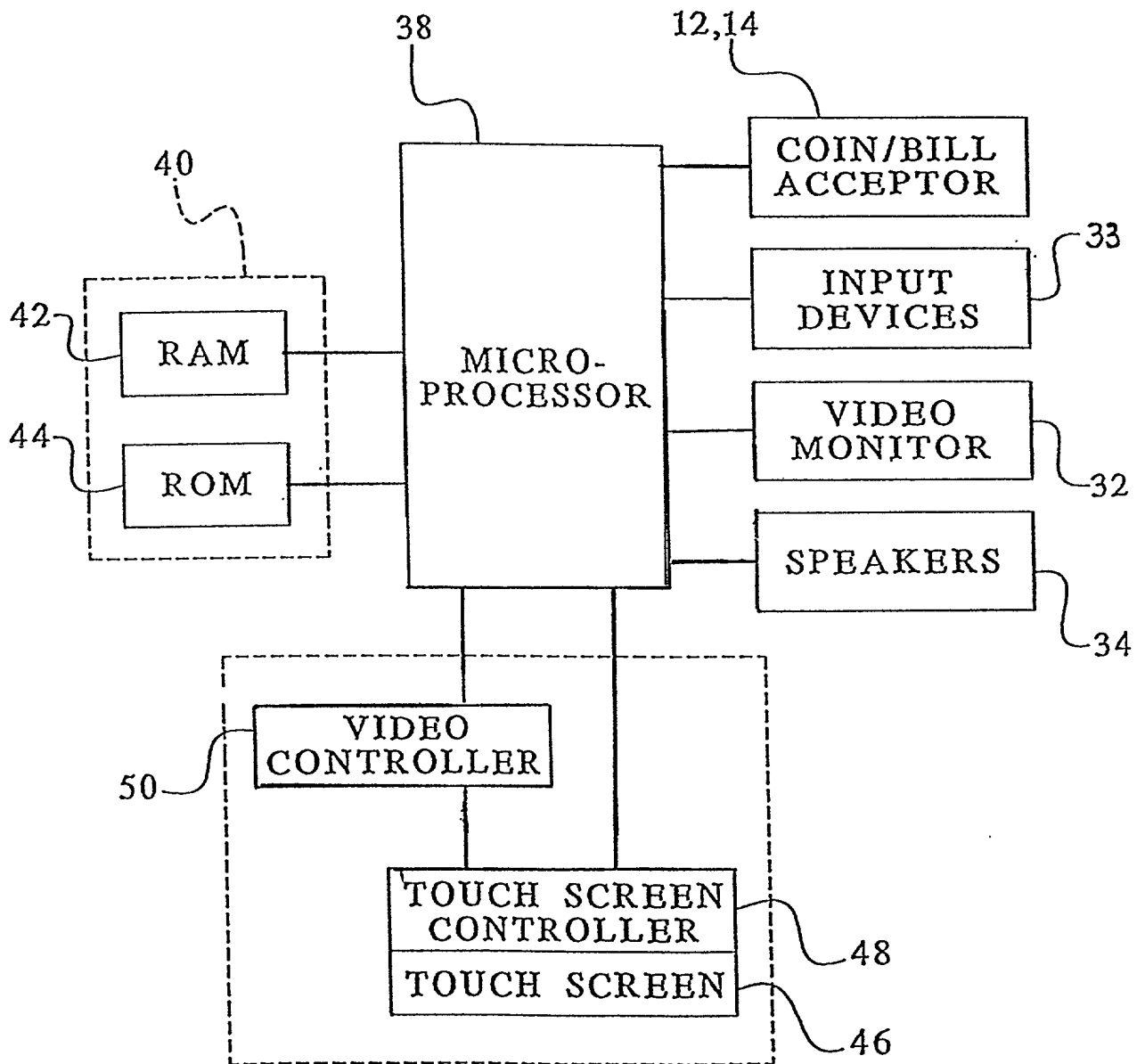


FIG.2



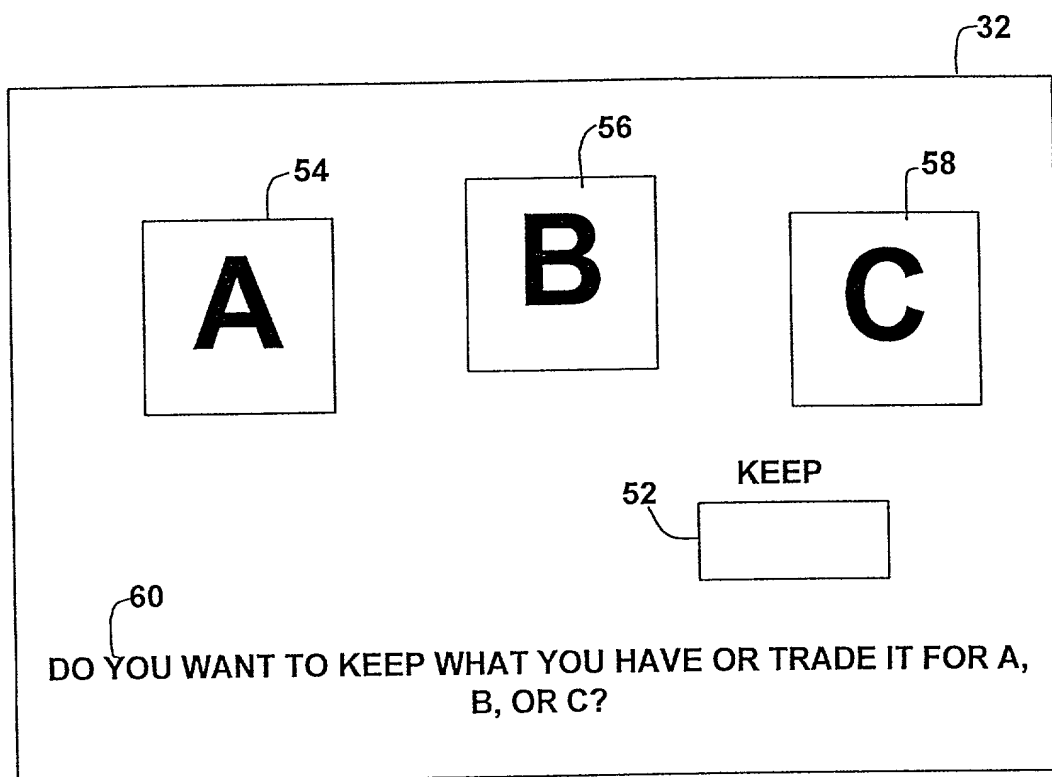


FIG. 3

64		62		66		68		70		72		74	
CONSOLATION AWARDS		PLAYER'S CURRENT AWARD		UPGRADE AWARDS		INCREMENTAL TEASE #1		INCREMENTAL TEASE #2		INCREMENTAL TEASE #3		INCREMENTAL TEASE #4	
20		25 - 100		400 - 500		20		30		40		50	
100		400 - 500		700 - 1000		50		80		100		150	
300		700 - 1000		1500 - 3000		100		200		300		400	

FIG. 4

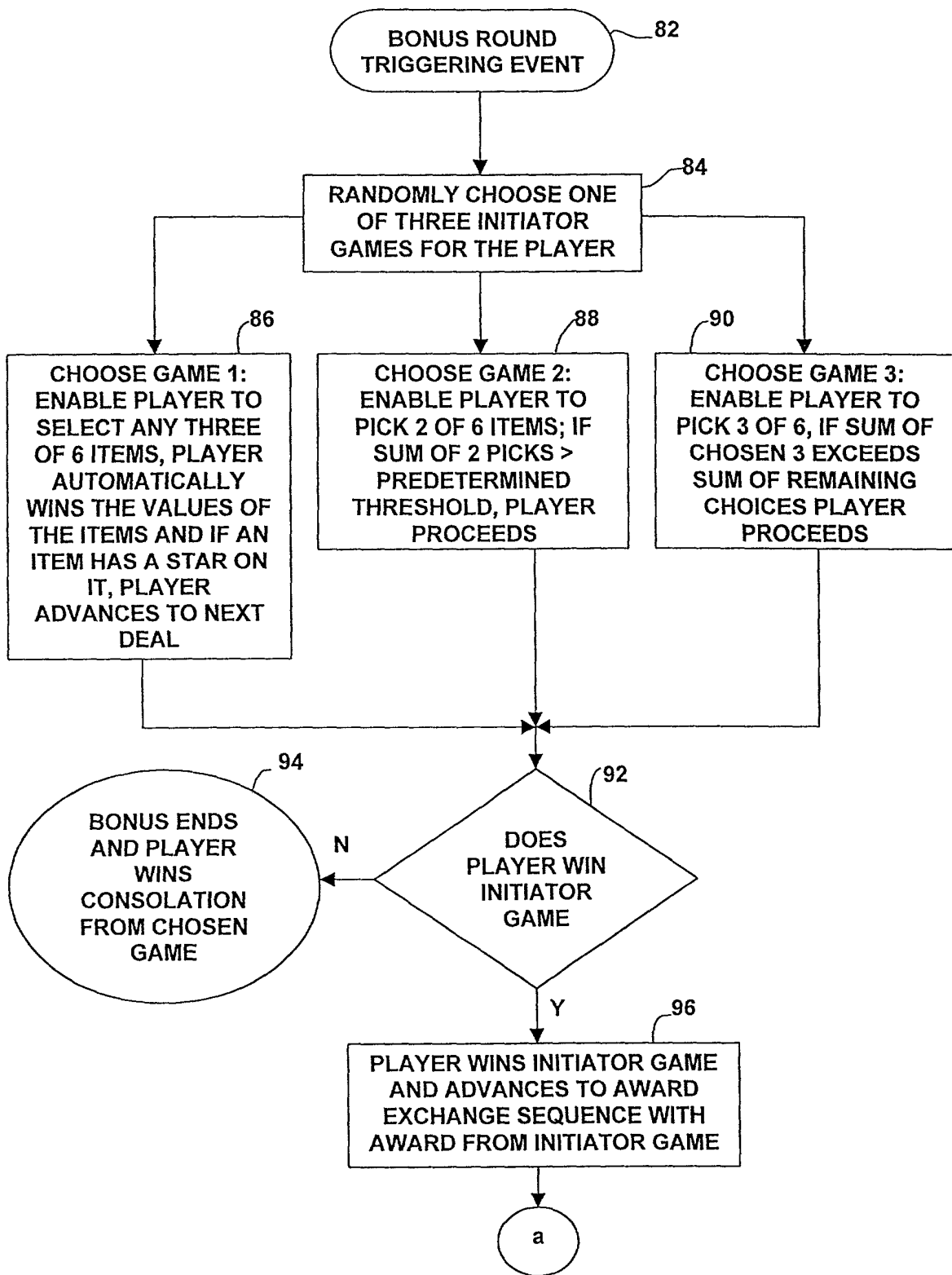


FIG. 5 - INITIATOR SEQUENCE

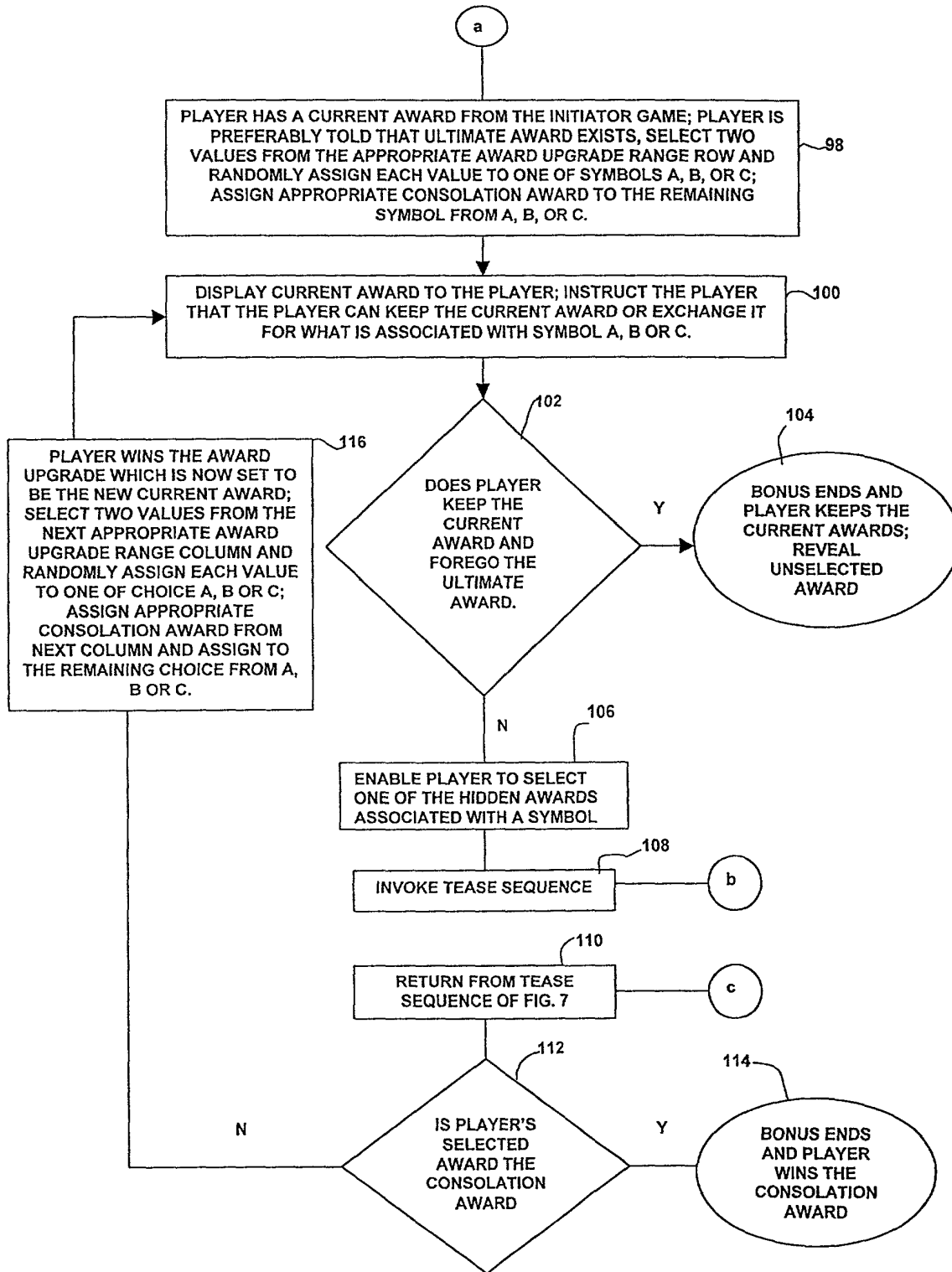


FIG. 6 – PREFERRED AWARD EXCHANGE SEQUENCE

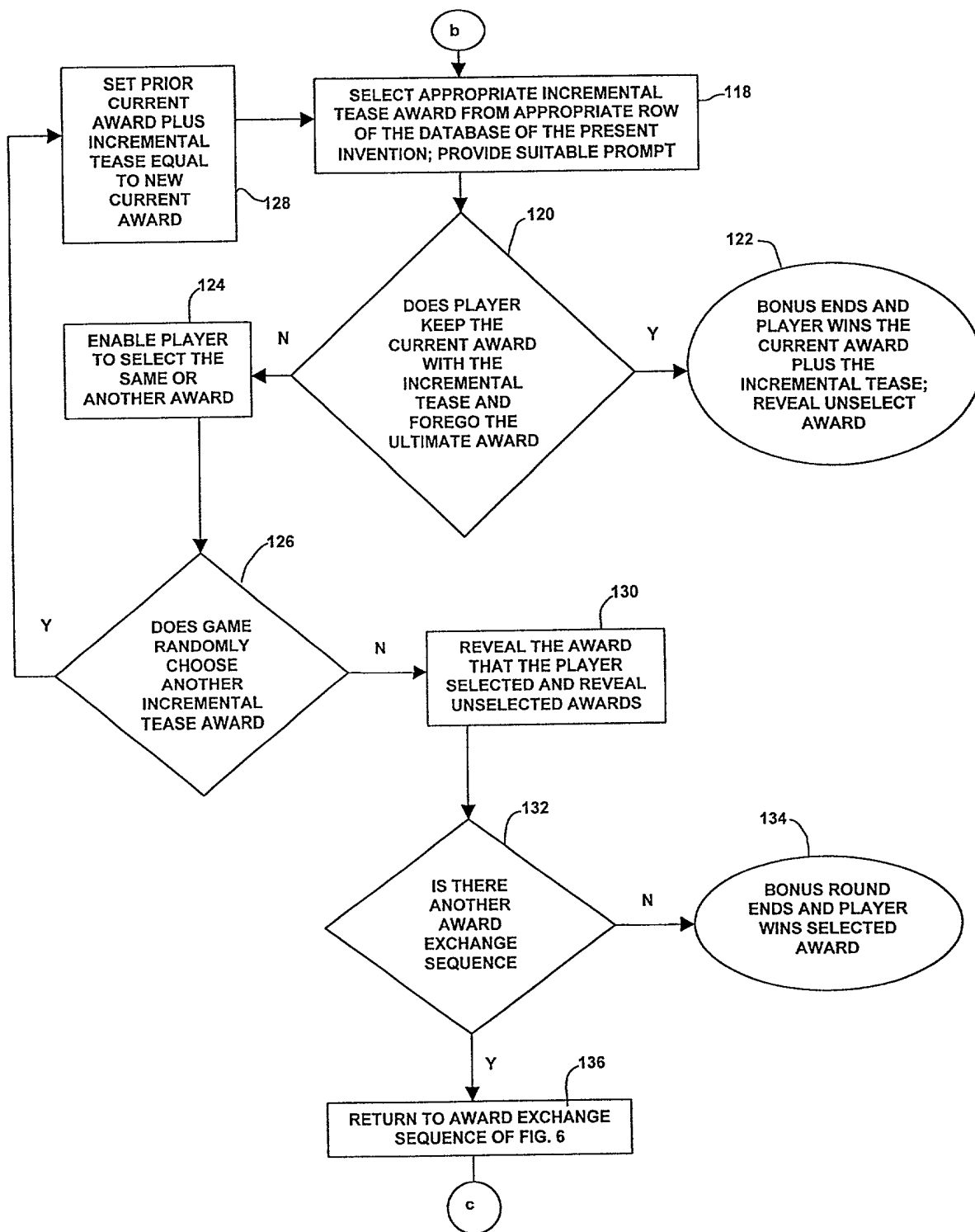


FIG. 7 – TEASE SEQUENCE



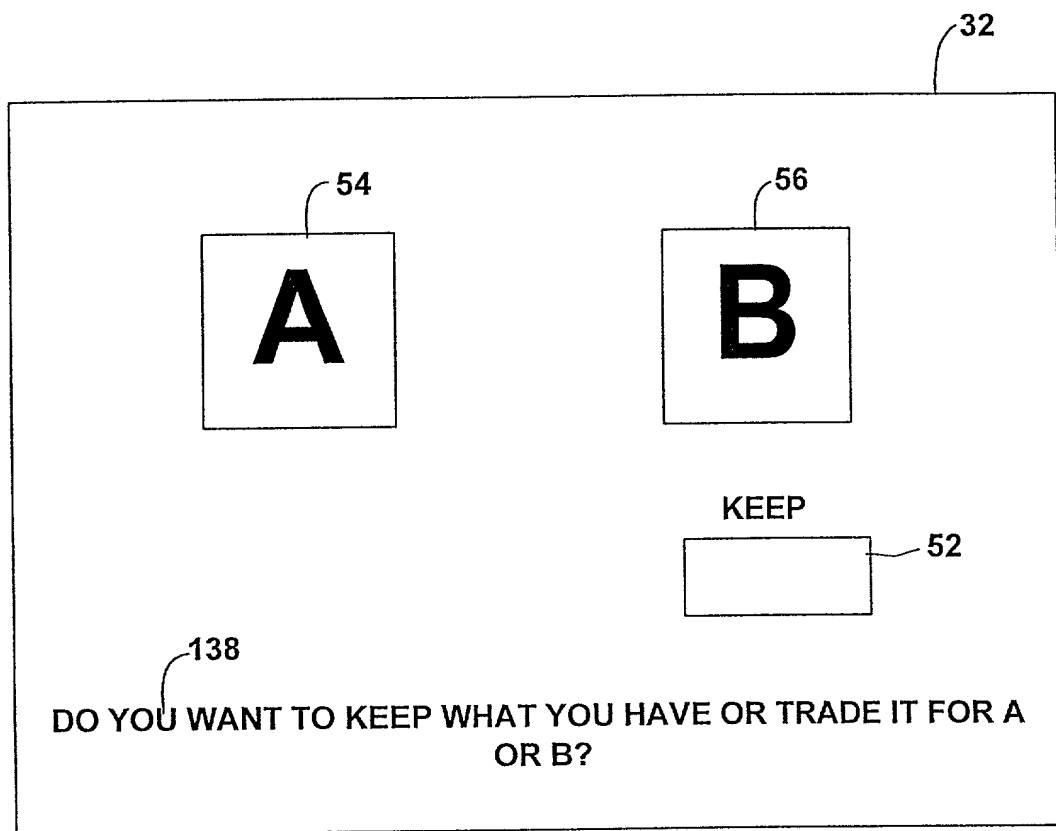


FIG. 8

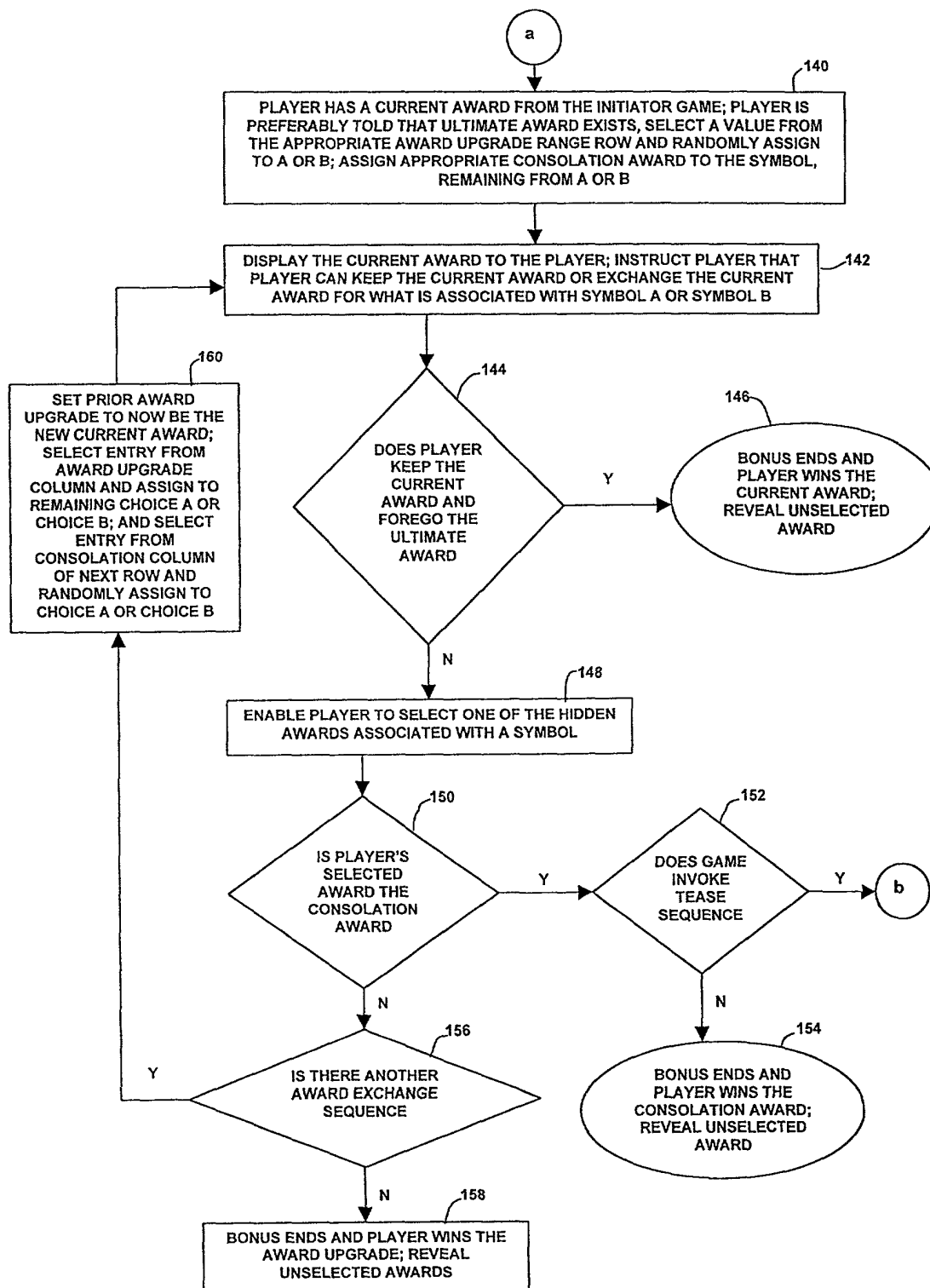


FIG. 9 – ALTERNATIVE AWARD EXCHANGE SEQUENCE

Docket No.  
0112300/142

# Declaration and Power of Attorney For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**GAMING DEVICE HAVING A GRADUATING AWARD EXCHANGE SEQUENCE WITH A TEASE CONSOLATION SEQUENCE AND AN INITIAL QUALIFYING SEQUENCE**

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as United States Application No. or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Adam H. Masia (35,602)

Patricia A. Kane (46,446)

Dante J. Picciano (33,543)

Thomas C. Basso (P46,541)

Amy J. Gast (41,773)

Timothy L. Harney (38,174)

Renato L. Smith (45,117)

Alan L. Barry (30,819)

Robert W. Connors (P46,639)

Troy A. Groetken (46,442)

Robert M. Barrett (30,142)

Michael S. Leonard (37,557)

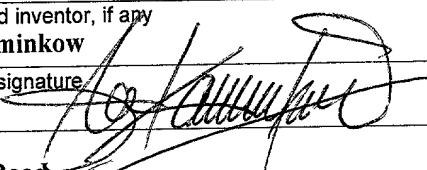
William E. Vaughan (39,056)

Send Correspondence to: Adam H. Masia  
Bell, Boyd & Lloyd LLC  
P.O. Box 1135  
Chicago, IL 60690-1135

Direct Telephone Calls to: *(name and telephone number)*  
Adam H. Masia (312) 807-4284

Full name of sole or first inventor <b>Bayard S. Webb</b>	
Sole or first inventor's signature <i>Bayard S. Webb</i>	Date <b>10/5/00</b>
Residence <b>3215 Palacio Court</b>	
Citizenship <b>USA</b>	
Post Office Address <b>3215 Palacio Court</b>	
<b>Sparks, NV 89436</b>	

Full name of second inventor, if any <b>Anthony J. Baerlocher</b>	
Second inventor's signature <i>Anthony J. Baerlocher</i>	Date <b>10-5-00</b>
Residence <b>3339 Skyline Blvd.</b>	
Citizenship <b>USA</b>	
Post Office Address <b>3339 Skyline Blvd.</b>	
<b>Reno, NV 89509</b>	

Full name of third inventor, if any <b>Joseph E. Kaminkow</b>	
Third inventor's signature 	Date <b>10/5/00</b>
Residence <b>55 Sawbuck Road</b>	
Citizenship <b>USA</b>	
Post Office Address <b>55 Sawbuck Road</b>	
<b>Reno, NV 89509</b>	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fifth inventor, if any	
Fifth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Large Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
0112300/142

Total Pages in this Submission  
68


JC894 U.S. PTO  
09/680601  
10/06/00

**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	32	- 20 =	12	x \$18.00	\$216.00
Indep. Claims	4	- 3 =	1	x \$80.00	\$80.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$710.00
OTHER FEE (specify purpose) Assignment Recordation Fee					\$40.00
TOTAL FILING FEE					\$1,046.00

- ☒ A check in the amount of **\$1,046.00** to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. **02-1818** as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \_\_\_\_\_ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

  
Signature

Adam H. Masia  
Reg. No. 35,602

Dated:

10/6/00

CC: